

RESEARCH OF CATTLE'S LIVER SOME FUNCTIONS

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Summary. We have examined the changes in hepar functions of cattle fed on a protein deficient diet during the winter. One group of cattle (14 animals) was fed on fodder containing silage with 15 % of butter acid. Another group of cattle (10 animals) was fed on the same fodder without any butter acid.

A protein deficient diet and 15 % butter acid in silage influence the hepar functions. A protein deficient diet is a cause of total blood serum protein and its albumin fraction lack. Under these conditions silage butter acid was an additional source of ketons. The ketones are an additional cause of the lack of albumins and the change in the metabolism of lipids.